Team Silver

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Milestone #1

The Case study chosen was/is Outland Adventures.

Business rules, assumptions, and attributes then the tables based on them:

Each trip has a start and end date.

Each trip has a maximum group size.

A customer can book one or more trips at a time.

A trip can have many customers.

A trip occurs in a specific location (like Africa, Asia, or Europe).

A trip is organized by one guide, but a guide can manage multiple trips

Equipment can either be sold or rented to customers.

A customer can purchase or rent multiple equipment items.

Equipment has a purchase date and allows age tracking.

Each piece of equipment has a stock quantity.

The Inventory Manager is responsible for maintaining equipment records

The website will allow trip schedules and equipment listings.

Equipment older than five years may need review or replacement

* Customers need to find information on schedules with information on trek details
* Ability to purchase or rent hiking/camping equipment online or schedule it for rent/purchase at arrival
* Inventory system necessary to track and possibly automatically notify of what needs restocked
* Connections to airfare, visa regulation sites, and vaccine or consolate sites
* Something to track booking
* Each product will need its own id for the program
* Employees can only manage order entry but not suppliers or inventory updates
* Order details will be tracked separately in a join kind of table maybe
* Even if product item count is 0 it still stays on the table (maybe once it hits 0 a message would display time to reorder)
* Only the existing suppliers will be assigned to new product

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Initial ERD

A diagram of a constellation

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2nd ERD below.

A diagram of a network

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Final ERD

A diagram of a company

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A screenshot of a computer

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